Safety Data Sheet according to Regulation (EC) No. 1907/2006 (RFACH)



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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Catalog No. TK.920049.00000
Product Name Silver Nitrate
Cas no 7761-88-8

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses Use as a laboratory reagent.

1.2.2. Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.

Street ORGANİZE SAN. BÖL. MAVİ CAD. 8, SOK. NO :1 NİLÜFER / BURSA

Telephone 0224 243 21 71

E-mail erhan@tekkim.com.tr

Company Representative Erhan DİLER

1.4 Emergency Telephone Number +90 506 990 36 86

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Oxidizing solids, Category 2
Corrosive to metals, Category 1
Skin Corrosion, Subcategory 1B
Serious eye damage, Category 1

Short term (acute) aquatic hazard, Category 1 Long (chronic) aquatic hazard, Category 1

For the full text of the H and EUH statements referred to in this section, see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms







Signal word (SEA)

DANGER

Hazard Statements (SEA)

H272 May intensify fire; oxidizer.

H290 May corrode metals.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)







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Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Intervention

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse your skin with water/shower.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

Classification according to Regulation (EC) No. 1272/2008 (CLP)

3.1 Maddeler

 EC No
 231-853-9

 Molar mass
 169.87 g/mol

 Cas No
 7761-88-8

 Concentration
 (<= 100 %)</td>

SECTION 4: First aid measures

4.1 Description of first aid measures

General information In case of accident or unwellness, seek medical advice immediately

(show directions for use or safety data sheet if possible).

Following inhalation Remove casualty to fresh air and keep warm and at rest..

Following skin contact Wash with plenty of water. Take off contaminated clothing.

Following eye contact In case of contact with eyes, rinse immediately with plenty of water and

consult an ophthalmologist.

Following ingestion Please give up to two glassesof water. Get immediate medical attention...

Do not induce vomiting..

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures appropriate to the environment.

Unsuitable extinguishing media

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NOx). Silver/silver oxides. It is not flammable. Fire may cause evolution of: nitrogen oxides. Depending on the oxygen output, it has a fire-increasing effect. All-round fire can release dangerous vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus. Keep a safe distance to cut off contact with skin and wear suitable protective clothing.

5.4 Additional information

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

SECTION 6: Accidental release measures





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6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Don't breathe vapours, aerosols. Avoid substance contact. Keep away from head and source of ignition. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert..

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Close drainage channels. Take up with liquid-absorbent material. Clean the affected area. Avoid generation of dust...

6.4 Reference to other sections

Disposal: see section 13. **6.5 Additional information**

Clear spills immediately.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advices on safe handling

Observe label precautions.

Advices on general occupational hygiene

Change contaminated clothing. Wash hands after working with substance. It is recommended to use a skin protection cream.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in dry and well-ventilated places. Protect from light. Do not store near flammable materials.

7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Contains no subtances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

More attention should be paid to technical measures against the use of personal protective equipment.

Personal protection equipment

Eye/face protection

Fully fitting safety glasses

Hand protection

Hand protection

Full contact

Glove material: Nitrile rubber Glove thickness: 0,11 mm

Break through time: >480 minute

Splash contact

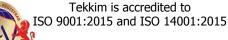
Glove material : Nitrile rubber Glove thickness :0,11 mm

Break through time: >480 minute

The protective gloves to be used must comply with the specifications of directive 89/686/EEC and the related standart EN374.







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Other skin protection

Protective chlothing.

Respiratory protection

Required when dusts occur.

Recommended filter type: Recommended Filter type: P2 type filter

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical stateCrystalsColourColorlessOdourOdorlessOdour thresholdNot applicable.pH valueNo information.

Melting point/freezing point 212 °C

Freezing point No information.

Initial boiling point and boiling range 440 °C

Flash point

Evaporation rate

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Upper/lower flammability or explosive limits

Vapour pressure

Vapour density

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Vapour pressure
Vapour density
No information.
Density
Relative density
No information.
Water solubility (g/l)
No information.
No information.
No information.
No information.
No information.
No information.

Partition coefficient: n-octanol/water og Pow: 5
Auto-ignition temperature No information.
Decomposition temperature No information.

Viscosity

Kinematic viscosity

Dynamic viscosity

Not applicable.

Not applicable.

Explosive properties Not classified as explosive.

Oxidising properties The substance and mixture are classified as

subcategory 2 oxidants.

SECTION 10: Stability and Reactivity

10.1 Reactivity

Section 10.3 to see.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

There is a risk of explosion with acetaldehyde, acetylene, nitriles, ammonia, ammonium hydroxide, azides, combustible materials, carbides, ethanol, fluoroacetylene, hydrazine hydrate, acetylidene, sodium hydroxide, nitromethane, organic materials, phosphorus, phosphorus hydrogen, sulfide, titanium, zinc.

There is a risk of explosion or formation of flammable gases or vapors with arsenic, oxidizing agents.

They give exothermic reaction with nonmetals, oxidizing agents, iodides, strong reducing agents, halogen-halogen compounds.

10.4 Conditions to avoid

No information available.

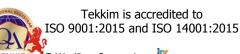
10.5 Incompatible materials

Aluminum, mild steel, metals.

10.6 Hazardous decomposition products







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No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity LD50 Oral - Rat - male and female - 3.804 mg/kg (OECD Test Guideline 401)

Acute respiratory toxicity LC50 Inhalation - Rat - male and female - 4 h - > 0.075 mg/l (OECD Test Guideline 403)

Acute dermal toxicity LD50 Dermal - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation Skin - reconstructed human epidermis (RhE) Abrasive - 3 - 60 min (OECD Test Guideline 431

Serious eye damage/eye irritation

Causes serious eye damage. Risk of permanent damage due to staining of the cornea.

11.2 Additional information

Absorption into the body causes the formation of methemoglobin, which, if it reaches sufficient concentration, causes cyanosis. It may take 2 to 4 hours or longer for symptoms to appear.

Handle in accordance with safety and hygiene rules.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish semi-static test LC50 - Pimephales promelas (Carp calf) - 0.0012 mg/l - 96 h (US-EPA)

Toxicity to daphnia and other aquatic invertebrates semi-static test LC50 - Daphnia magna (Water flea) - 0.00022 mg/l - 48 h (ECHA)

12.2 Persistence and degradability

Methods for measuring biological degradation cannot be applied to inorganic substances.

12.3 Bioaccumulative potential

Bioaccumulation Cyprinus carpio (Carp) - 41 d at 20 °C(Gumusnitrate)

Bioconcentration factor (BCF): 70

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB.

12.6 Other adverse effects

Forms corrosive mixtures even when diluted.

Discharge into the environment should be prevented.

SECTION 13: Disposal considerations

Waste treatment methods





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9.09.2022 Version 2 ns. Do not mix with other products. Uncleaned

It must be disposed of in accordance with national and local regulations. Do not mix with other products. Uncleaned Treat packages as if it were the product itself ... Waste materials must be disposed of in accordance with national and local regulations.

SECTION	│14: Transport i	information
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ADR	IMDG	IATA	ADN	RID	
14.1 UN number					
UN 1493	UN 1493	UN 1493	UN 1493	UN 1493	
14.2 UN proper shipping name					
SILVER NITRATE	SILVER NITRATE	SILVER NITRATE	SILVER NITRATE	SILVER NITRATE	

14.3 Transport hazard class(es)

5.1 5.1 5.1 5.1 5.1







14.4 Packing group

14.5 Environmental hazards

NO NO NO NO NO

No information available. No information available. No information available. No information available. No information available.

14.6 Special Precautions for User:

No information available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental legislation specific for the substance or mixture

This product safety data sheet complies with the requirements of EU Regulation 1907/2006.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance.

SECTION 16: Other informations

Full text of H statements

H272 May intensify fire; oxidizer.

H290 May corrode metals.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Person Who Prepared the Safety Data Sheet:

Name:

Certificate Number and Date: Erhan DİLER

Communication information: 11.29.03 & 11 Şubat 2020

05069903686







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